3.5" Compact Floppy Disk Drive
D353F3 1/2 Inch Height Type

OUTLINE

"F3 Series", model most suited to the notebook and lap-top size, compact personal computers and word processors.
Despite low profile, light-weighted body (thickness : 12.7mm, weight : 160g), but has sufficient shock resistance and high reliability.

FEATURES

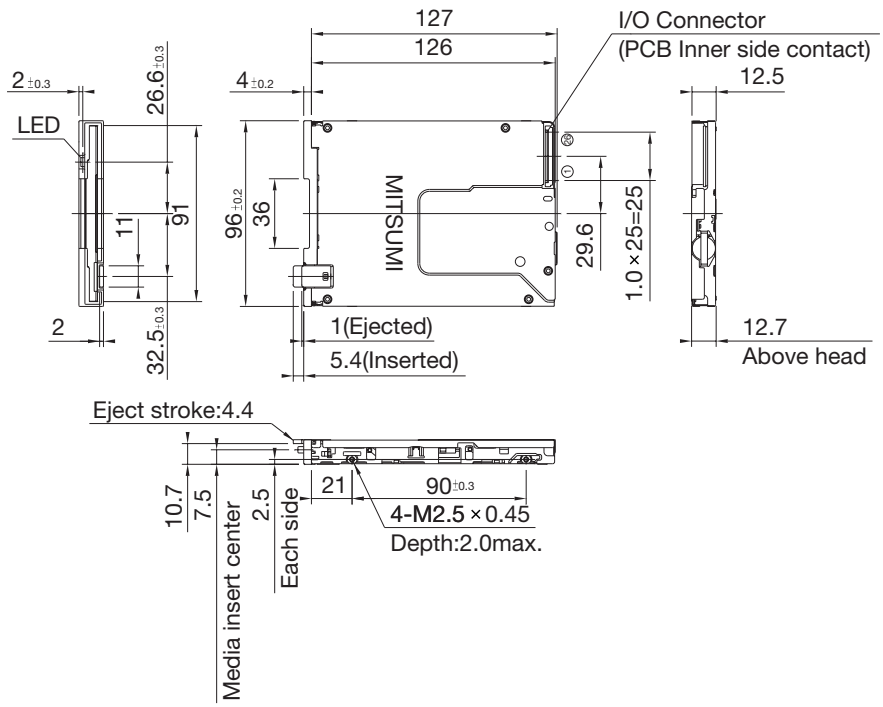
1. Low profile (12.7mm) and lightweight (160g).
2. Can be designed for 2 piece FDD (F3 Series model) in 1 inch height.
3. Shock resistant design includes high-strength Aluminum frame.
4. D353F3 model is 3 mode (2MB/1.6MB/1MB) capacity.

SPECIFICATIONS

Item		Unit	D353F3		
			1M Mode	1.6M Mode	2M Mode
Capacity	Unformatted	M bytes	1	1.6	2
	Formatted (Sector/Track)	K bytes	737.28 (9)	1,182.72 (15)	1,474.56 (18)
Data Transfer Rate		K bit/sec.	250	500	500
Innermost Recording Density (Side 1)		bpi	8,717	14,184	17,434
Number of Tracks		—	160	154	160
Track Density		tpi	135	135	135
Disk Rotational Speed		rpm	300	360	300
Track to Track Access Time		mS	3	3	3
Average Access Time		mS	94	91	94
Settling Time (max.)		mS	15		
DC Power Supply		V	5		
Power Consumption	Operating	W (typ.)	1.5		
	Stand-by	W (typ.)	0.025		
Environmental Conditions	Temperature	˚C	5~52 (Operating)/–40~65 (Storage)		
	Humidity	%RH	20~80 (Operating)/10~90 (Storage)		
	max.Wet Bulb	˚C	29 (Operating)/40 (Storage)		
MTBF (min.)		(H)	15,000P.O.H.		
MTTR (max.)		min	30		
Error Rate	Soft Read Error	/bit	10^{-9}		
	Hard Read Error	/bit	10^{-12}		
	Seek Error	/seek	10^{-6}		
Dimensions (H×W×D)		mm	12.7×96×130		
Weight		g (typ.)	160		

■ For option, Disk Rotational Speed of 360rpm, and Data Transfer Rate of 300Kbps are available.

DIMENSIONS



Unit : mm

■ The figures are at MFM. At FM, the memory capacity, the data transfer speed and the memory density will be reduced to half the figures.
■ These specification are as of July 19, 2002. These are subject to change without prior notice for further improvement.